

LIGHTEX® : FROM SMART TEXTILE INNOVATION TO COMMERCIAL SUCCESS

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WHAT IS THE LIGHTEX® TECHNOLOGY?

BROCHIER® TECHNOLOGIES



1890

1960

2000

2019... and more !

Brochier Soeries: silk weaving and printing in Lyon, France

Brochier SA weaves the nose of the Concorde

1st luminous wedding dress with optical fibers

Luminous textile with optical fibers for multiple applications

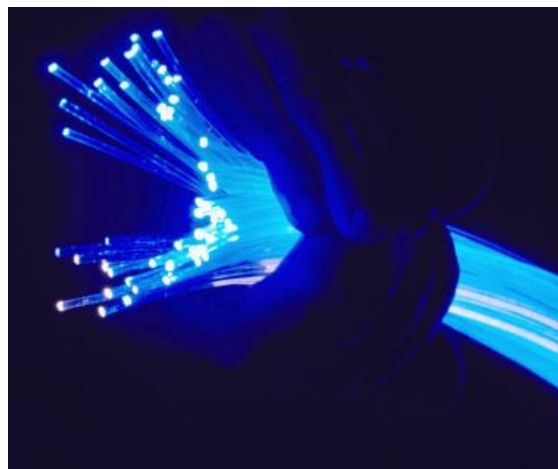
Lightex®
New lighting technology

Patented technology

WHAT IS THE LIGHTEX® TECHNOLOGY?



Lightex®: a flexible, luminous textile using diffusing optical fibers



Optical fibers are woven using a **Jacquard weaving process**.

Jacquard process allows the creation of patterns, logos, texts, etc.

TECHNOLOGY



Weaving



Side-emitting process

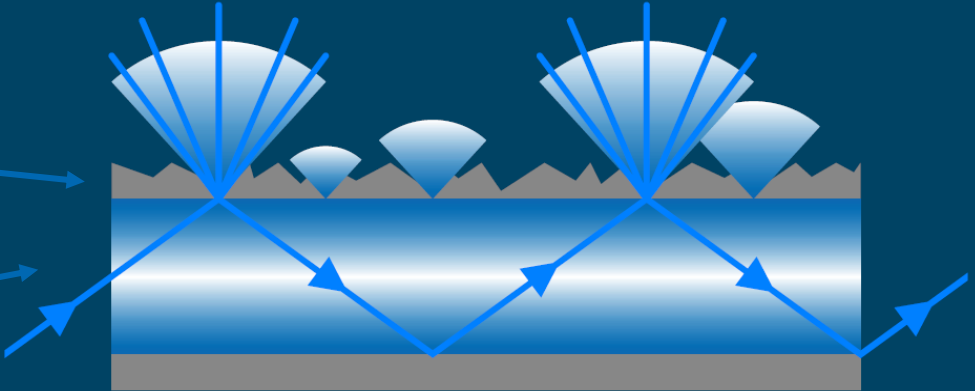


Connecting



Cladding

Core



Diffused light

Transmitted light

LIGHT DIFFUSION



THIN & LIGHT



NO EMI, NO HEAT



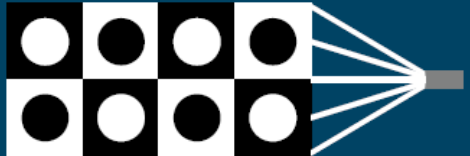
FLEXIBLE



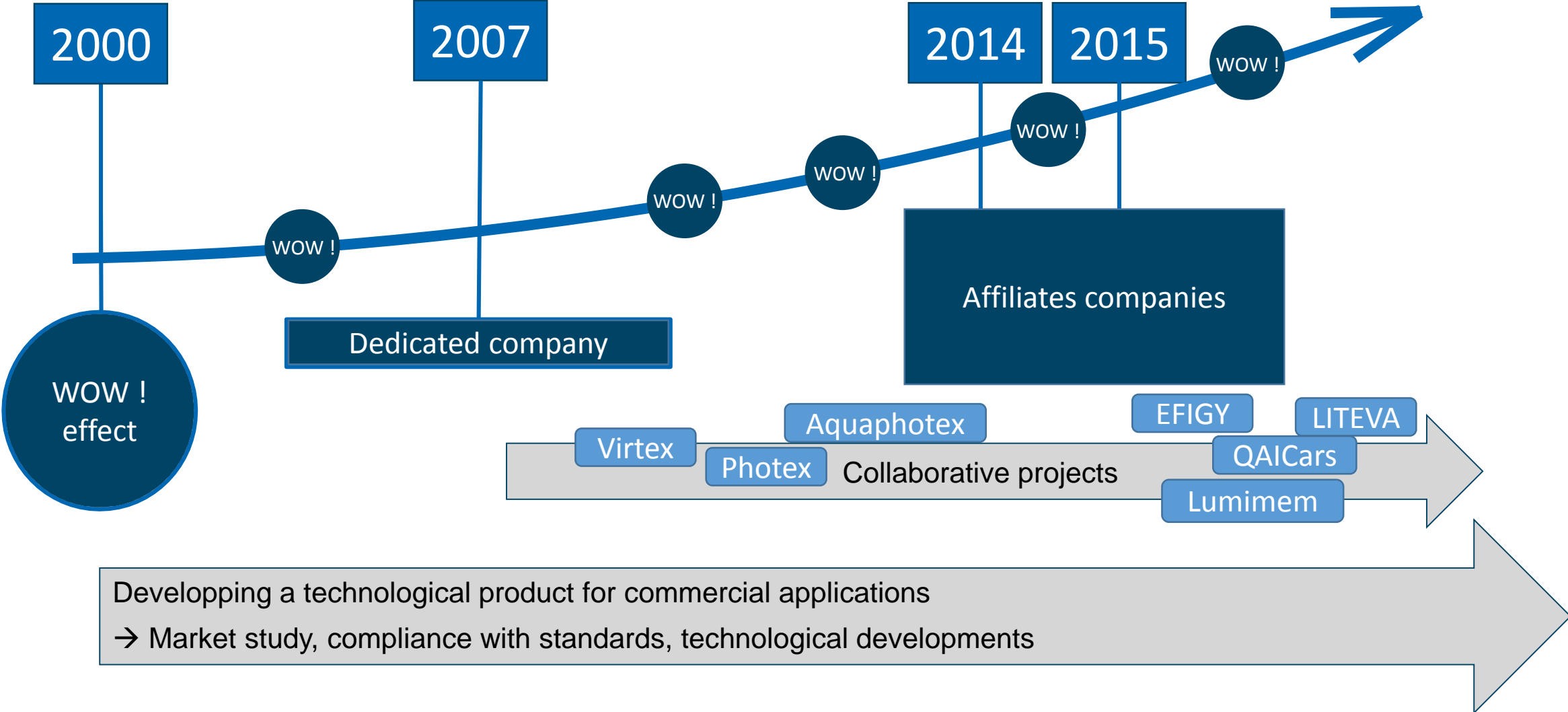
ASSEMBLING



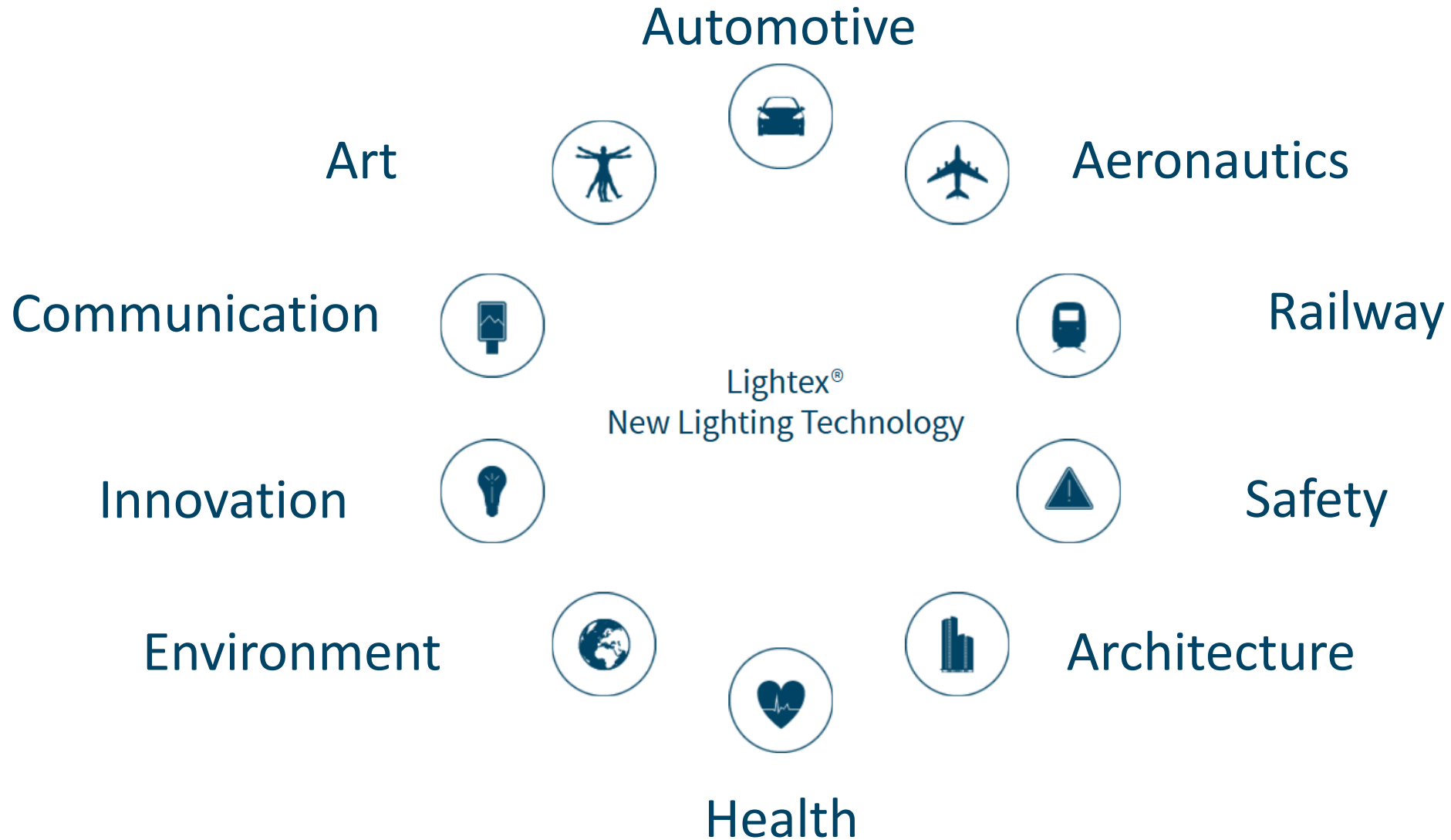
TEXTILE ASPECT



DEVELOPPING A SUCCESSFUL COMPANY BASED ON AN INNOVATIVE PRODUCT



THE LIGHTEX® TECHNOLOGY FOR ALL LIGHTING APPLICATIONS



COMMERCIALISED & EMERGING AUTOMOTIVE APPLICATIONS



Light as a new design material or as a safety signal



COMMERCIALISED MEDICAL APPLICATIONS

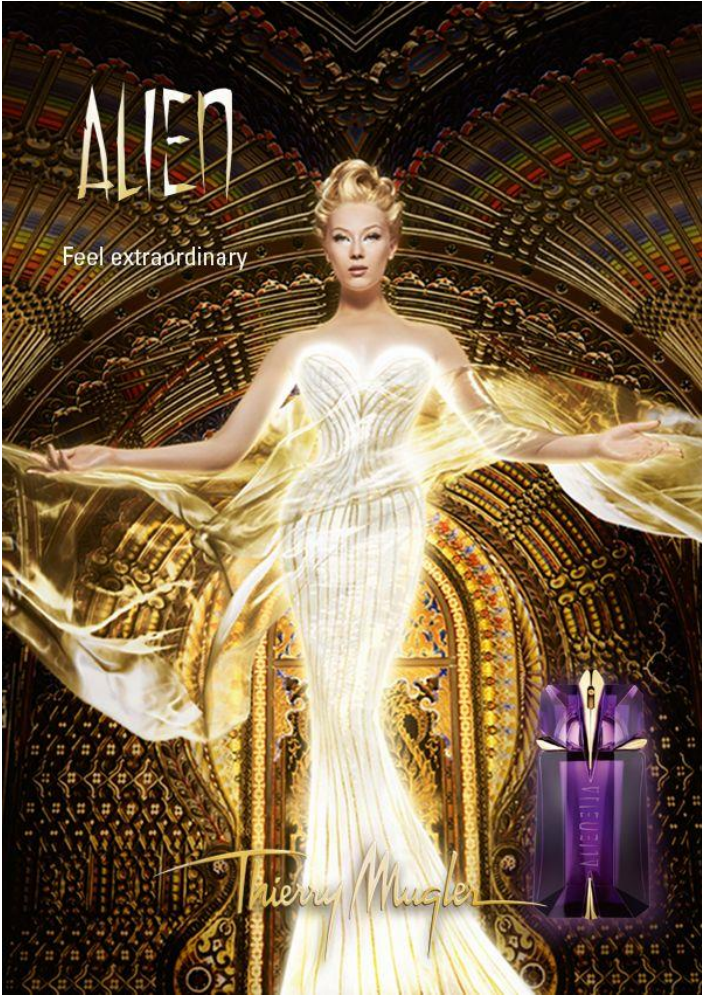


Flexible phototherapeutic medical devices for neonatal jaundice, cancers, ...



WOW ! ART, COMMUNICATION & DESIGN

ADVERTISING



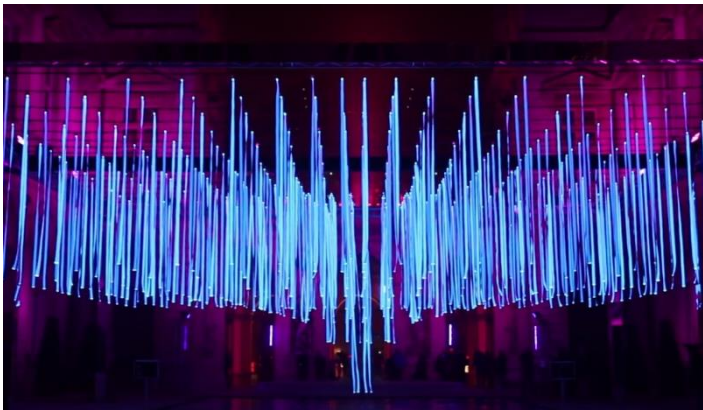
FASHIONTECH



ARCHITECTURE



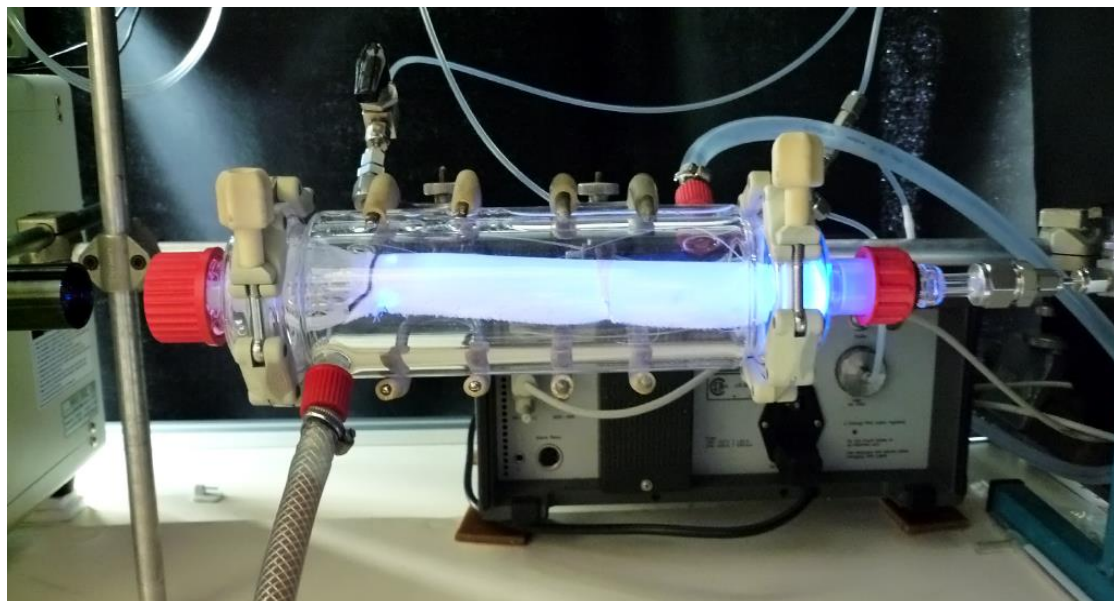
SPECIAL EVENTS



ART

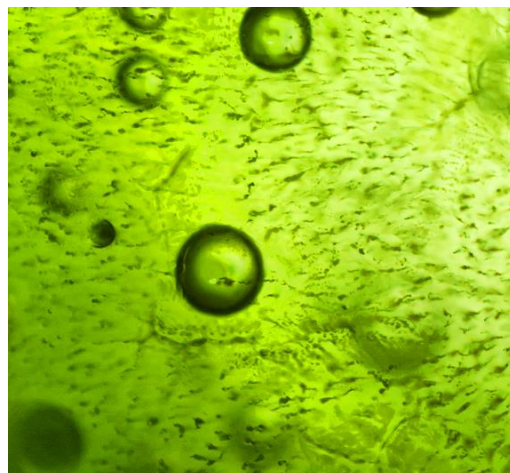


NEW ENVIRONMENT SOLUTIONS

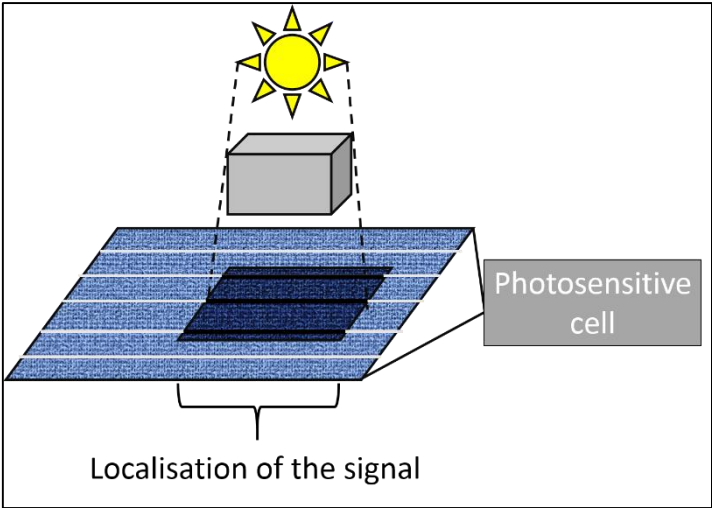
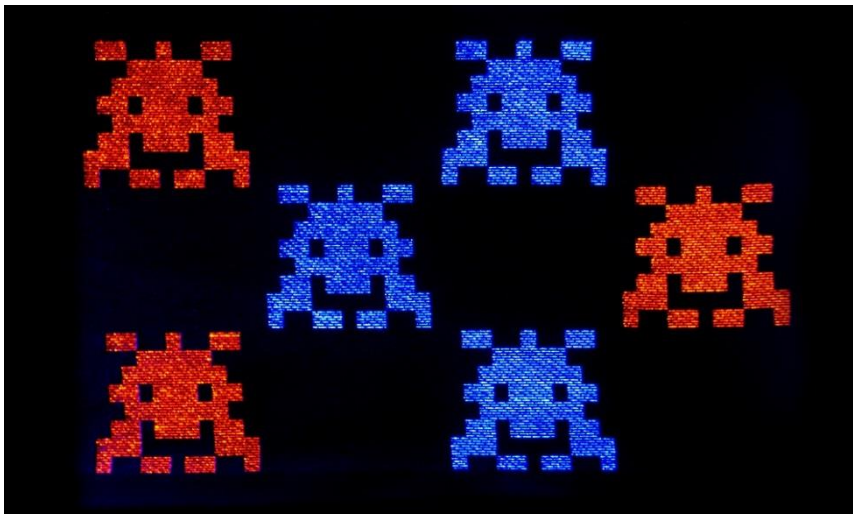
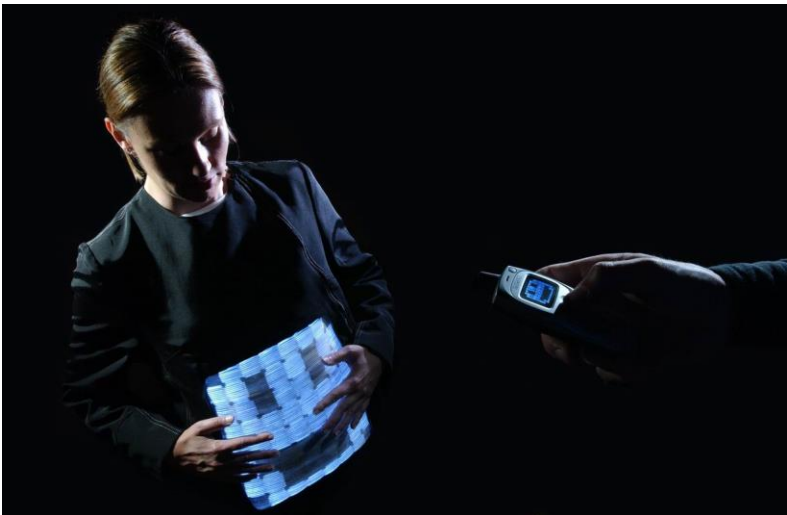


UVtex®: Air & water depollution with photocatalysis

BioSynTex®, AlgoTex®: Photosynthesis



INNOVATION



Flexible displays, sensors... and much more !



**Gràcies !
Thank you!**

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**@brochiertech
#LightexInside**